

AKC

Notice of Allowability	Application No.	Applicant(s)	
	10/623,570	KIM, JUNG-HOON	
	Examiner	Art Unit	
	Hai L. Nguyen	2816	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed on 12/20/2004.
2. ☒ The allowed claim(s) is/are 1,3-17 and 20-29.
3. ☒ The drawings filed on 22 July 2003 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

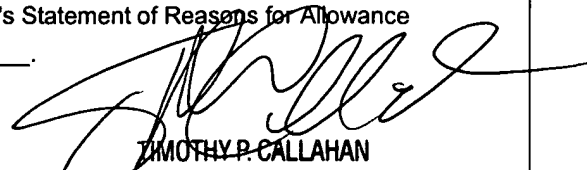
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |


 TIMOTHY P. CALLAHAN
 SUPERVISORY PATENT EXAMINER
 TECHNOLOGY CENTER 2800

DETAILED ACTION

Response to Amendment

1. The amendment received on 12/20/2004 has been reviewed and considered with the following results:

As to the rejections to claims 2-15 and 18-29, under 35 U.S.C. 112, 1st paragraph, Applicant's clarification has overcome the rejections, as such; the rejections have been withdrawn.

As to the prior art rejections to the claims, Applicant's amendment has overcome the prior art rejections, as such; the prior art rejections have been withdrawn. The case is found to be in allowance condition.

REASON FOR ALLOWANCE

2. The following is an examiner's statement of reasons for allowance:

The prior art of record fails to disclose or fairly suggest a multi clock deciding system and a method of use thereof, as recited in claims 1 and 17, comprising a master clock deciding apparatus (700a in instant Fig. 7) configured to output a system clock signal; and specifically the limitation directed to a plurality of slave clock deciding apparatuses (700b – 700n), each configured to generate a plurality of delay clock signals (INPUT CLOCK, FIRST DELAY CLOCK – Nth DELAY CLOCK in instant Fig. 2) by delaying a reference clock signal (REFERENCE CLOCK), and to output a clock signal selected from the plurality of delay clock signals having a minimum phase difference from the system clock; and a multi clock selecting

Art Unit: 2816

unit (710) configured to receive the clock signals output from the master and slaves and to supply the system clock signal to the master and slaves.

The prior art of record fails to disclose or fairly suggest a multi clock deciding system, as recited in claim 16, comprising a master clock deciding apparatus (600a/600b in instant Fig. 6) configured to output a system clock signal; and specifically the limitation directed to a slave clock deciding apparatus (600b/600a) configured to generate a plurality of clock signals (INPUT CLOCK, FIRST DELAY CLOCK – Nth DELAY CLOCK in instant Fig. 2) by delaying a reference clock signal (REFERENCE CLOCK), and to output a clock signal selected from the plurality of clock signals having a minimum phase difference from the system clock, wherein the output of the master is directly inputted into the slave and the output of the slave is directly inputted into the master.

3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

Conclusion


4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hai L. Nguyen whose telephone number is 571-272-1747 and Right Fax number is 571-273-1747. The examiner can normally be reached on Monday-Thursday.

Art Unit: 2816

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy Callahan can be reached on 571-272-1740. The official fax phone number for the organization where this application or proceeding is 703-872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 571-272-1562.

5. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

HLN 
January 29, 2005